

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009216

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C/13 B01J29/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 384 540 A (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V) 29 August 1990 (1990-08-29) page 3, line 2 - line 36; claims 1-14; examples 1-3; tables 1-3	1-10, 12-15, 17-22
X	US 6 069 289 A (DANDEKAR ET AL) 30 May 2000 (2000-05-30) claims 1-12; example 1; tables 1,2	1-10, 12-15, 17-22
X	US 6 281 406 B1 (CAIN JOHN J) 28 August 2001 (2001-08-28)	23
A	claims 1-17	11,16

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents:**

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P document published prior to the international filing date but later than the priority date claimed

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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* & * document member of the same patent family

Date of the actual completion of the international search

1 February 2005

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kleidernigg, 0

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0384540	A	29-08-1990	US 4982048 A	01-01-1991
			AT 97155 T	15-11-1993
			AU 616341 B2	24-10-1991
			AU 5006890 A	30-08-1990
			CA 2010654 A1	24-08-1990
			DE 69004454 D1	16-12-1993
			DE 69004454 T2	10-03-1994
			DK 384540 T3	20-12-1993
			EP 0384540 A1	29-08-1990
			ES 2045746 T3	16-01-1994
			JP 2273628 A	08-11-1990
			JP 2673907 B2	05-11-1997
			NO 900858 A , B ,	27-08-1990
US 6069289	A	30-05-2000	NONE	
US 6281406	B1	28-08-2001	NONE	